# POWERNODE

N150
Amplified Wireless
Streaming Music Player

**Owner's manual**

bluesound.com

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# POWERNODE N150 Amplified Streaming Music Player

## WELCOME

Welcome to Bluesound, Hi-Fi for the Wi-Fi generation.

Bluesound transforms your local digital music library by putting the music of your life right at your fingertips. The clutter of CDs is relegated to a previous era! Your smartphone or tablet running the Bluesound App now controls your music.

Your Bluesound music system is also a sophisticated Internet streaming device that allows you to listen to a wide range of Internet music service providers. Bluesound also provides access to music subscription services featuring extensive catalogs of millions of songs streamed to you over the internet in real time. TuneIn Radio makes every radio station in the world a local station via the magic of the internet.

To take full advantage of all these Bluesound capabilities requires a robust wired or wireless home network and a reliable high speed Internet connection, provided by a DSL or Cable modem. Internet access must be contracted and installed by your local Internet Service Provider. For remote areas there are satellite options for high speed internet access.

Before signing on to a music subscription or cloud service we suggest that you review your Internet service plan and be sure you have enough internet speed and bandwidth to provide uninterrupted streaming. Most internet service providers offer multiple plans and can help you make the best choice.

## Important Safety Instructions

Save these instructions for later use.

Follow all warnings and instructions marked on the audio equipment.

_ **Read instructions** - All the safety and operating instructions should be read before the product is operated.

_ **Retain instructions** - The safety and operating instructions should be retained for future reference.

_ **Heed Warnings** - All warnings on the product and in the operating instructions should be adhered to.

_ **Follow Instructions** - All operating and use instructions should be followed.

_ **Cleaning** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Clean only with a dry cloth.

_ **Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.

_ **Water and Moisture** - Do not use this product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

_ **Accessories** - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

_ **Ventilation** - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

_ **Power Sources** - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.

The primary method of isolating the amplifier from the mains supply is to disconnect the mains plug. Ensure that the mains plug remains accessible at all times. Unplug the AC power cord from the AC outlet if the unit will not be used for several months or more. The socket-outlet shall be installed near the equipment and shall be easily accessible.

_ **Grounding or Polarization** - This product may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

_ **Power Cord Protection** - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

_ **Outdoor Antenna Grounding** - If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

_ **Lightning** - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power line surges.

_ **Power Lines** - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

_ **Overloading** - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

_ **Object and Liquid Entry** - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

# Warning

The apparatus should not be exposed to dripping or splashing, and objects filled with liquids, such as vases, should not be placed on the apparatus. As with any electronic products, use care not to spill liquids into any part of the system. Liquids can cause a failure and/or a fire hazard.

_ **Damage Requiring Service** - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

_ When the power supply cord or plug is damaged.

_ If liquid has been spilled, or objects have fallen into the product.

_ If the product has been exposed to rain or water.

_ If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.

_ If the product has been dropped or damaged in any way.

_ When the product exhibits a distinct change in performance-this indicates a need for service.

_ **Replacement Parts** - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

_ **Safety Check** - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

_ **Heat** - The product should be situated away from heat sources such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat.

Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

# Warning

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

# Caution

To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Responsible Party

Lenbrook America
6 Merchant Street
Sharon, MA 02067
USA

Telephone: 800 263 4641; 781 784 8586

Facsimile: 781 784 8386

# Warning

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

# Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

_ Reorient or relocate the receiving antenna.

_ Increase the separation between the equipment and receiver.

_ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

_ Consult the dealer or an experienced radio/ TV technician for help.

"This Class B digital apparatus complies with Canadian ICES-003."

This device complies with Industry Canada license-exempt RSS-210. Operation is subject to the following two conditions: (1) this device may not cause Interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

_ no naked flame sources such as lighted candles should be placed on the apparatus;

_ the use of apparatus in tropical climate

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

_ This device may not cause harmful interference, and

_ This device must accept any interference received, including interference that may cause undesired operation.

THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAYBE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.

THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

**CAUTION**

**RISK OF ELECTRIC SHOCK**
**DO NOT OPEN**

WARNING : SHOCK HAZARD - DO NOT OPEN
AVIS : RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR

## Caution regarding placement

To maintain proper ventilation, be sure to leave a space around the unit (from the largest outer dimensions including projections) that is equal to or greater than shown below.

_ Left and Right Panels: 10 cm

_ Rear Panel: 10 cm

Warning – If this product is used at 240VAC, a suitable attachment plug should be used.

European union notice for wireless product $C\mathcal{E}$ 0979

Hereby, Lenbrook Industries Limited, declares that this Wireless Streaming Music Player/ System is in compliance with the R&TTE Directive (1999/5/EC), Low Voltage Directive (2006/95/EC) and other essential requirements. The declaration of conformity may be consulted at www. lenbrook.com/DoC.

# Notes on environmental protection

At the end of its useful life, this product must not be disposed of with regular household waste but must be returned to a collection point for the recycling of electrical and electronic equipment. The symbol on the product, owner's manual and packaging, point this out.

The materials can be reused in accordance with their markings. Through re-use, recycling of raw materials or other forms of recycling of old products, you are making an important contribution to the protection of our environment. Your local administrative office can advise you of the responsible waste disposal point.

## Information about collection and disposal of waste batteries (directive 2006/66/EC of the European parliament and the council of European Union) (for European customers only)

Pb          Hg          Cd

Batteries bearing any of these symbols indicate that they should be treated as "separate collection" and not as municipal waste. It is encouraged that necessary measures are

implemented to maximize the separate collection of waste batteries and to minimize the disposal of batteries as mixed municipal waste.

End-users are exhorted not to dispose of waste batteries as unsorted municipal waste. In order to achieve a high level of recycling waste of batteries, discard waste batteries separately and properly through an accessible collection point in your vicinity. For more information about collection and recycling of waste batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

By ensuring compliance and conformance to proper disposal of waste batteries, potential hazardous effects on human health is prevented and the negative impact of batteries and waste batteries on the environment is minimized, thus contributing to the protection, preservation and quality improvement of the environment.

Record your model number (now, while you can see it)

The model and serial number are located on the back of the cabinet. For your future convenience, we suggest that you record these numbers here:

_____

Model no.

_____

Serial no.

_____

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If for any reason a court of competent jurisdiction finds any provision, or portion thereof, to be unenforceable, the remainder of the license shall remain in full force and effect.

# INTRODUCTION/ GETTING STARTED

# What's in the Box
Packed with your Bluesound POWERNODE N150 you will find:

Accessory pack containing 2 pairs of Banana Plugs
Assembly guide for installing Banana Plugs
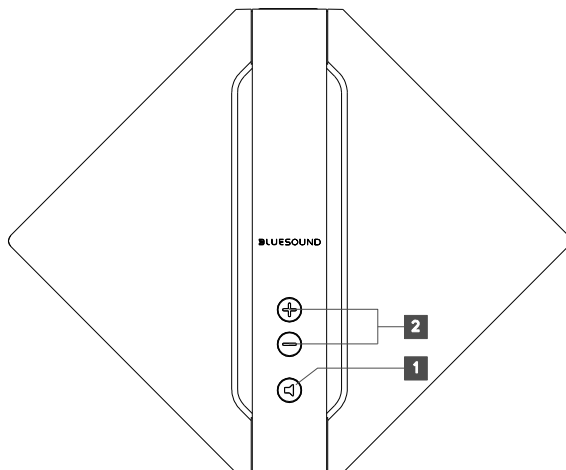
230V AC Power cord

120V AC Power cord

Ethernet cable (2m)

# Top & Back of Powernode
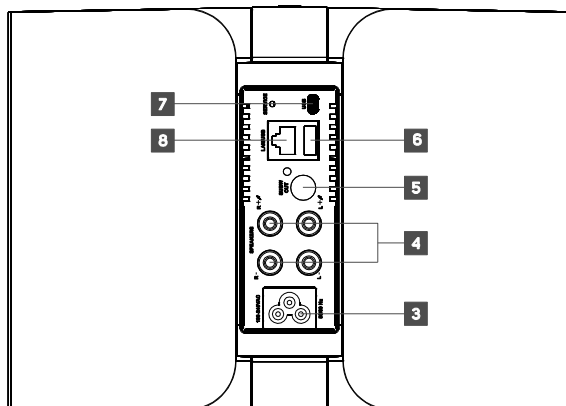
**1** LED INDICATOR/MUTE
This button has multiple functions - an indicator of network connectivity and a MUTE button.

Below is a table of the LED blink codes and their corresponding descriptions.

| LED BLINK CODE | DESCRIPTION |
| --- | --- |
| Short blue flash, then red | Powering up, rebooting the unit |
| Solid green | Hotspot Mode |
| Flashing green | Connecting to Network shares |
| Solid red | Cannot boot; drive error |
| Red pulse | No internet gateway |
| White pulse | Software update available |
| Solid red | Upgrade mode |
| Alternate flashing red and green | Upgrading... |
| Flashing blue | Mute mode |
| Solid white | Indexing |
| Solid blue | Connected to Network – ready to use with Bluesound App |
| Flashing red | Factory reset in progress |

MUTE

- Press to temporarily mute audio output.  Press again to restore audio from mute mode.
- When MUTE mode is selected the LED indicator will flash blue.

FACTORY RESET

The LED INDICATOR/MUTE button is also used for restoring the POWERNODE N150 to its factory default settings.

1. Unplug the power cord from the wall outlet or unplug the other end of the power cord connected to POWERNODE N150's AC mains input.

2. Press and hold LED INDICATOR/MUTE button and then connect the power cord to the wall outlet or the other end of the power cord to POWERNODE N150's AC mains input.

3. Do not release hold on the LED INDICATOR/MUTE button; wait until it flashes red and then release. The POWERNODE N150 will reset and reboot itself to Factory Settings.

4. When the LED INDICATOR/MUTE button ends up at solid green (Hotspot mode), the POWERNODE N150 has been reset and is ready to be configured again.

**2** +, -  (VOLUME)
Toggle either button to vary volume level. Volume level will not change if you press and hold either button.

+ : Increase volume level.
- : Decrease volume level.

**3** AC MAINS INPUT
The POWERNODE N150 comes supplied with two separate AC power cords. Select the AC power cord appropriate for your region.

• Before connecting the plug to the wall outlet, connect firmly first the other end of the AC power cord to POWERNODE N150's AC Mains input socket.
• Never force the plug into a wall outlet. An adaptor may be necessary in certain regions.

- Always disconnect the plug from the wall outlet first, before disconnecting the cable from the POWERNODE N150's AC Mains input socket.

**4** SPEAKERS
- Connect the right speaker to the terminals marked "R +" and "R-" ensuring that "R+" is connected to the "+" terminal on your loudspeaker and "R-" is connected to the loudspeaker's "-" terminal.
- Connect the left speaker to the terminals marked "L +" and "L-" ensuring that "L+" is connected to the "+" terminal on your loudspeaker and "L-" is connected to the loudspeaker's "-" terminal.
- Use extra care to ensure that no stray wires or strands cross between posts or terminals at either end.

**5** SUBW (SUBWOOFER) OUT
A Subwoofer can also be connected directly to the N150. Connect SUBW OUT to a powered ("active") subwoofer.

**6** USB (TYPE A)
Connect a USB mass storage device to the USB input. Typical USB mass storage devices compatible with POWERNODE N150 include portable flash memory devices and external hard drives (FAT32 formatted).

**7** USB (TYPE B MINI)/SERVICE
Use SERVICE in conjunction with USB (Type B Mini) for servicing purposes only. Not for consumer use. Only authorized Bluesound service personnel can access this USB port and SERVICE control button.

**8** LAN PORT
The LAN PORT connection can be used with the Ethernet cable provided. This is an optional connection since the POWERNODE N150 can be connected to the network through a Wi-Fi connection to your router. To setup the POWERNODE N150 using the LAN Port a Wired Ethernet broadband router with broadband internet connection is

required.  Your router or home network should have a built-in DHCP server to complete the connection.

Using the Ethernet cable provided, connect one end of the Ethernet cable to the LAN port of your wired Ethernet broadband router and the other end to POWERNODE N150's LAN port.

# Quick Setup Guide

In case you simply cannot wait to experience the performance of your new POWERNODE N150, we provide the following "Quick Setup Guide" instructions to get you underway.

# 1.

## Connect for Sound
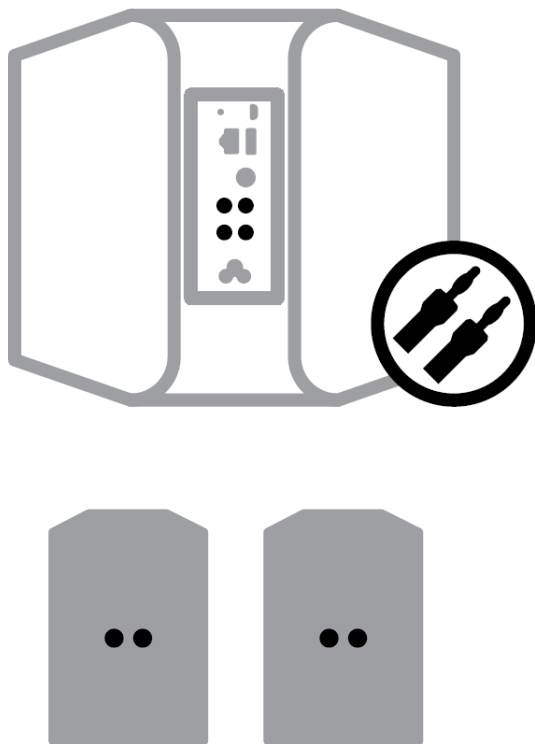
A   Using the Banana Plugs provided, connect them to one end of your speaker wire (not provided). Instructions for connecting the Banana Plugs to the speaker wire are included in the Banana Plug accessory pack.

B   Connect the Banana Plugs to the matching terminals on the back of the Powernode.

C   Connect the other end of the speaker wires to each corresponding speaker. Make sure the "+" (red) terminal and "-" (black) terminal are connected to the corresponding "+" and "-" terminals of the loudspeaker. Use extra care to ensure that no stray wires or strands cross between posts or terminals at either end.

A Subwoofer can also be connected directly to the Powernode. Subwoofer cable not included.

# 2.
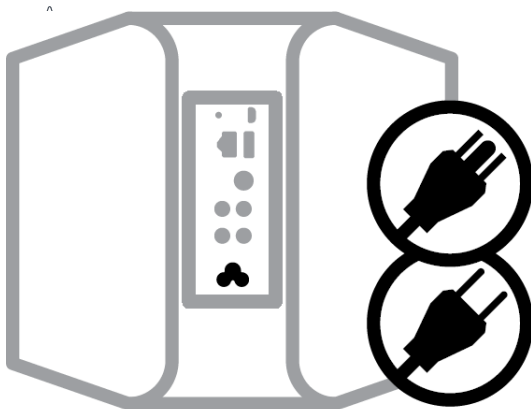
## Connect to Power

A  Select the AC Power Cord appropriate for your region and plug it into the player, and then into your wall outlet.

The Powernode's LED button should turn Solid Green, indicating that the player is in Hotspot Mode and ready to be added to your home WiFi network.

Never force a power cord into a wall outlet. An adaptor may be necessary in certain regions

# 3.
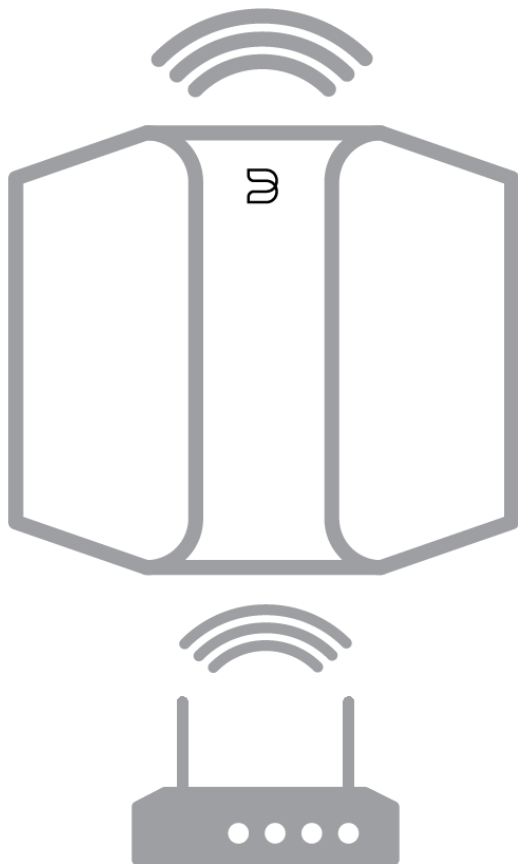
## Connect to WiFi

A   On your tablet or smart phone, **look for the WiFi network (hotspot) matching your Powernode's unique network ID**, and join it. The network ID is listed as the product name (i.e. Powernode) immediately followed by the last four digits in the MAC (Machine Access Control) address (example: POWERNODE-001A). The full 12-digit MAC address is printed on a sticker on the back panel of your player.

B.  A web page may automatically open. If not, open a web browser on your tablet or smart phone and enter setup.bluesound.com, and press "Go". A control panel page should then appear.

C.  From the main menu displayed, select Configure WiFi.
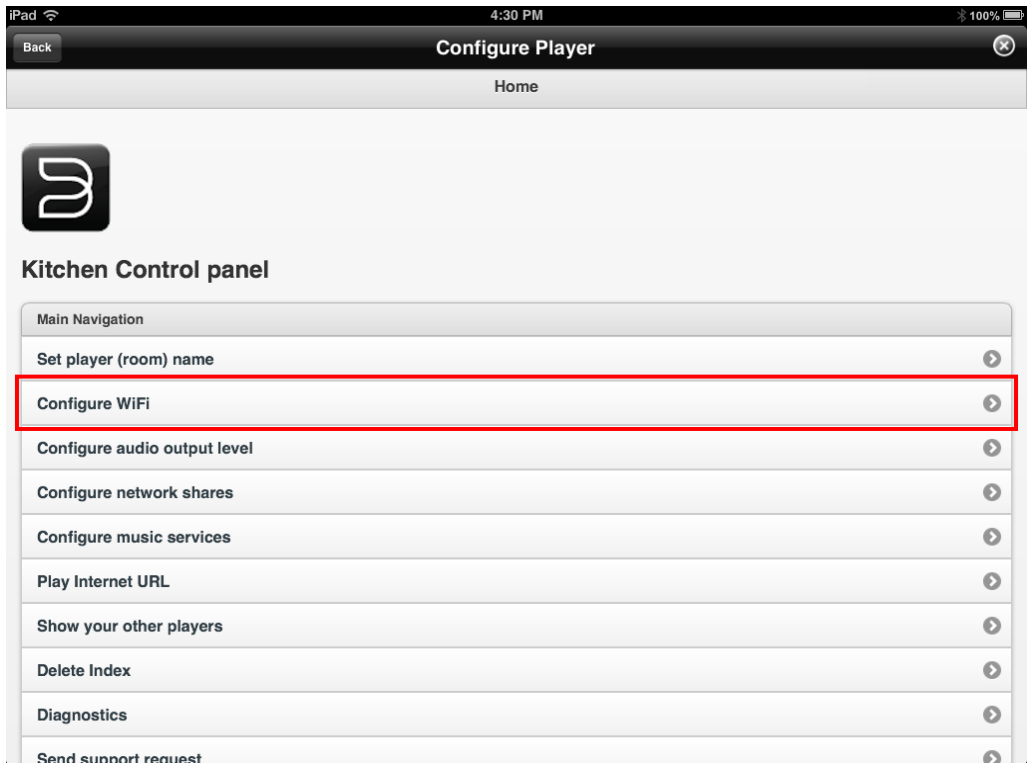
D    Select your Home WiFi network from the **Configure Wireless** drop down menu.

E Enter your home network's **Wireless Password** in the field provided (if it is a protected network).

F   Select a **Room Name** from the drop down list, or create a customized room name in the field provided.

G   Press **Update** and wait for the unit's light to turn solid blue, indicating that the player has successfully joined your home WiFi network.

H   Repeat steps A-G for each additional Bluesound player.

I   **Reselect your home WiFi network** from your tablet or smartphone's **main network settings.**

    Alternatively, the Powernode can be connected directly to your wired home network or router using the Ethernet cable provided.

# 4.

## Download the App

For Apple iOS devices (iPod, iPhone, iPad), visit the Apple AppStore and download the free Bluesound controller App.

For Android devices, download the free Bluesound Controller App on Google Play.

**Congratulations, your player setup is complete!**

It's time to connect your music. Launch the app for the following playback options.

# 5.

## Connect to Music

Internet Radio: On the home screen of the App, simply select Internet Radio from the Music Sources menu, and find your favorite radio station. Or, explore and discover the thousands of radio stations streaming live 24/7 from anywhere on the planet via TuneIn.

Your Music: To play music stored on a computer or NAS device, select the Settings icon in the App, choose **Configure Player** from the pop-up menu, and select **Configure Network Shares**. Follow the screen prompts, and open every room in your home to your entire digital music library.

For detailed information, please visit: www.bluesound.com/support/setup

# Operation

# iPad CONTROLLER

The iPad controller can be used in portrait or landscape mode. For this document we will demonstrate all screen shots in landscape mode.

## Portrait



Rooms Button

Home Button

Settings Button

Playback Controls

Volume Slider

Room (Player) Name

Current Playlist

Current Playlist Controls

Small Now Playing Window

Library

Internet Radio

AUX

Streaming Services

Aux in

Home Screen – Music Sources

# Landscape



Home Button

Settings Button

Rooms Button

Playback Controls

Volume Slider

Room (Player) Name

BLUESOUND®

Family Room

Current Playlist

Current Playlist Controls

Edit · Shuffle · Clear · Save

Library

Internet Radio

Streaming Services

AUX

Aux in

Small Now Playing Window

Home Screen – Music Sources

# Identification of Controls

The Bluesound Control App is compatible with the iPad's method of navigating through its features and functions. Use your fingers to pinch, swipe, tap and double-tap an item you want to command, control or manipulate. Refer to your iPad's user guide for further information on how to use multi-tasking gestures to go about the task you want to perform.

**Home Button** – Select this button to return to Home or Source mode. Display Library, Internet Radio, Streaming Services and AUX In icons.

**Rooms Button** – Select this button to show all active Bluesound players (rooms) available on your network.

**Settings Button** – Select this button to activate the drop down Settings menu.

**Volume Slider** - Slide to increase or decrease volume level.

**Previous track/Next track Buttons** - Skip forward or backwards within your current playlist. When using TuneIn or WiMP mode, if you select these buttons you will skip forward or backwards to the next song in your current playlist.

**Play Button** – Select to start playback of song or broadcast.

**Pause Button** – Select to pause playback of song or broadcast.

**Previous (back) Button** – Select to return to previous display or menu window.

**Shuffle Button** – Select to playback in random order the songs in the current playlist.

**Repeat Button** – Select to repeat current song.

# Navigation Controls & Icons

The following explains the features of the Bluesound Control App and the function of each feature.

## Home/Sources

**HOME (SOURCES) BUTTON**
Select this button at any time to take you back to the Home Page which displays your main music sources as follows:

## Library

Select the Library Button ♪ to listen to your personal music collection stored on your PC, MAC or NAS (Network Attached Storage) device or music that is ripped to your VAULT V500. See section on Connecting to Music Shares for complete instructions on how to share your music with the Bluesound System.
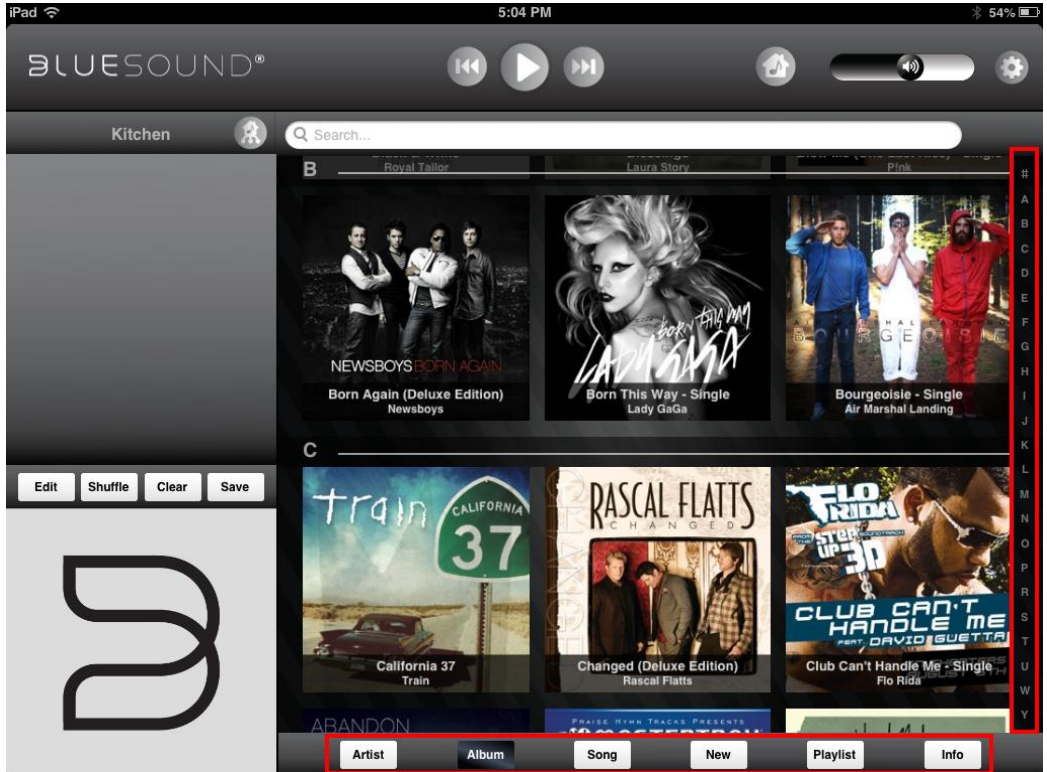


When you select ♪, your music catalogue will appear on-screen.

The category buttons (located at the bottom portion) allows your music to be sorted in several ways as follows

- Artist
- Album
- Song

Select an alphabet letter on the right side for quick skip to the corresponding list of artists, albums or songs that starts with the selected letter.

**New** – Select this option to see the latest list of albums that were added to your Library – the newest albums will show at the top of the list.   This is an easy way to locate ripped CD's or purchases that were recently downloaded.

**Playlist** – Select this option to show your personal catalog of all created playlist.
Several playlists can be created like your Favorite playlist, Contemporary playlist, Oldies playlists, etc.

**Info** – Select this option to see information about the current artist being played.  Read about the latest news, biography, album history or current popularity of the artist.  All information is provided by Last.fm.  If no information about the artist is available, the browser will display "[unknown]"

🔍  Search ...

You can search for a song, album or artist by directly entering it in the "Search..." box.  Select the "Search..." box and the on-screen keyboard will appear.
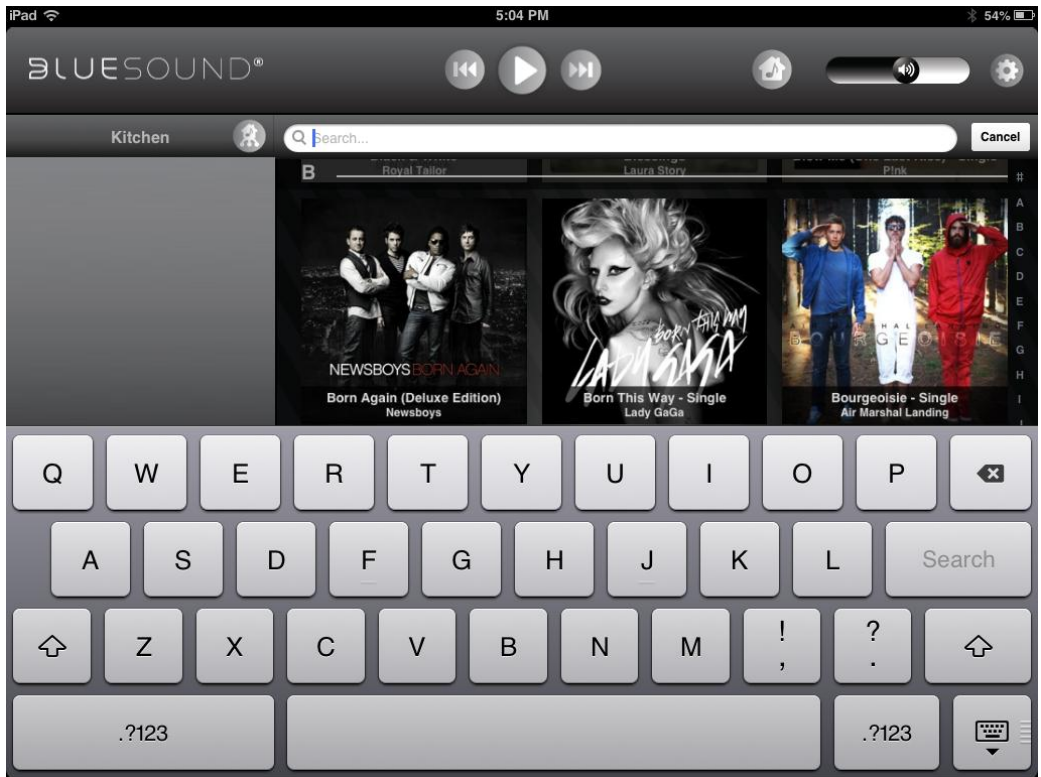
If searching for an Artist, Select the Artist button, then enter the artist's name (even just a part of it) and several relevant songs, albums or artists pop up as you type

## Internet Radio

Select Internet Radio to explore and discover the thousands of radio stations streaming live 24/7 from anywhere on the planet via TuneIn.

## Streaming Services

Select the Streaming services button to see the list of Music services that Bluesound supports. See Streaming services section for more information.

## Aux In

**AUX**

Your Bluesound player will allow you to connect a USB Stick or external Hard Drive to the USB input on the back of the player and play music from it.  When you insert a USB device into the player, the AUX In button will change to an active button allowing you to select it and access the music stored on the USB device.  If nothing is connected to the USB input of the player, the AUX In button will remain inactive and nothing will happen when you select it.

## Settings

Tapping ⚙ launches the "Settings" section of the Bluesound App allowing you to customize its default settings. The following are the parameters you can setup or initiate.
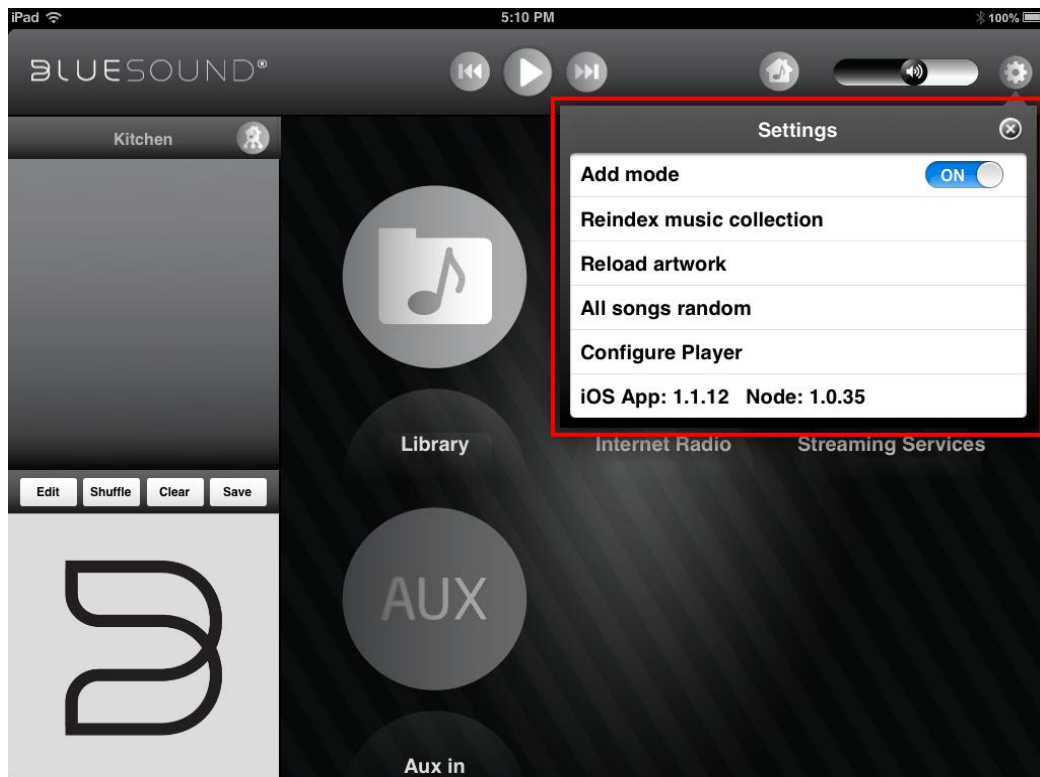
## Add Mode
This feature lets you choose how you want to add songs to your playlist – when turned "On", songs will be inserted at the end of your current playlist. When turned "Off", songs will be inserted after the current song in the playlist.

## Reindex Music Collection
Whenever songs are added to your library, reindex your Bluesound player so that it can properly locate and identify the new songs.

Q: How long will it take to reindex your Music Library?
A: It will depend upon its size and your network connection (wired or wireless). Wireless speed: 500 songs per minute; Wired speed: 1000 songs per minute.

While indexing, you will see the message: "Indexing phase 1 – xxx tracks processed". Reindex music collection will re-appear once the indexing is completed.

## Reload Artwork
Reload artwork – Select this option if you are missing some of your Album artwork.

## All songs random
Select this option to insert all of the songs in your Library into the playlist in random order. Selecting this option again will randomly re-arrange all of your songs in the playlist.
When All Songs random is selected, the Shuffle function is turned on and highlighted. Tap the Shuffle button to exit random play and resume normal playback.

### Configure Player
Select this option to launch the Control Panel of your POWERNODE N150. Use the Control Panel to initiate/set/configure the player, send support requests or view diagnostics screen. (See Control Panel section for complete instructions).

### Software version
iOS App: x.x.x   Node: x.x.x
Lists the iOS App version and Player software version of your POWERNODE N150
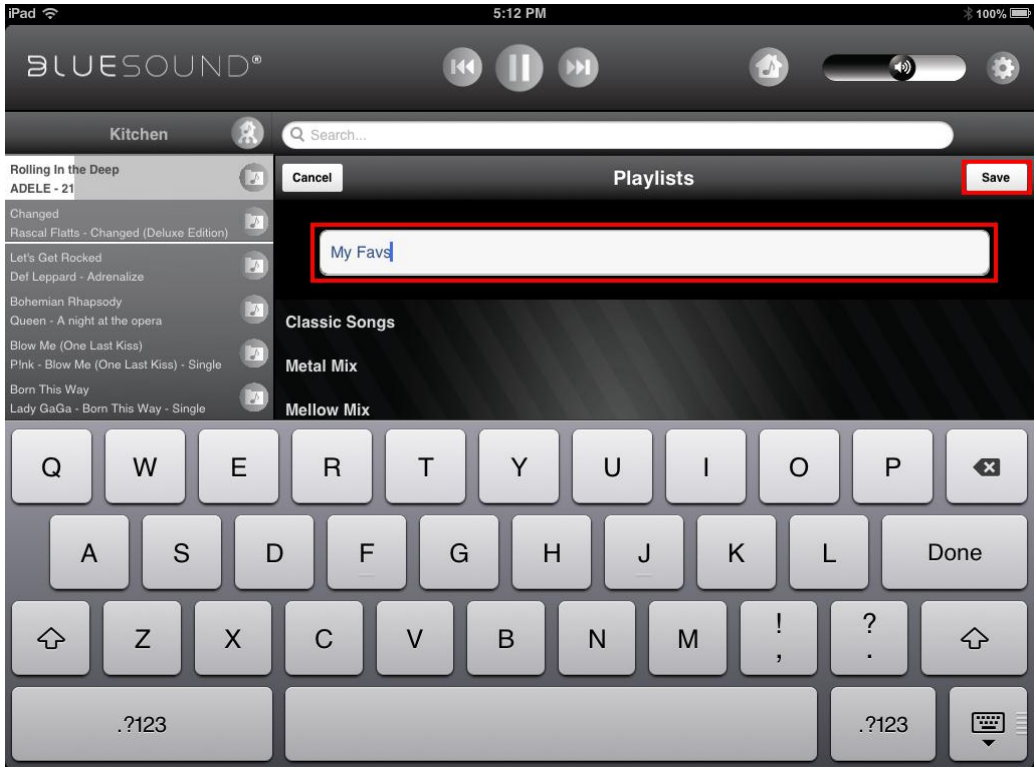
## Playlists

### Creating a Playlist
The current playlist window is displayed directly under the Player (room) name on the left portion of the screen. This is a list of songs you have individually or collectively selected from your library or music service provider. The playlist of songs can be played back in sequential or shuffled order.

To create a playlist, simply follow these easy steps:

1. Select desired songs by opening an Album in Album or Artist mode or by choosing a Song in Song Mode. You can also add a song from a streaming music provider (like WiMP). To close an open Album, select   located in the upper right corner of the Album pop up box.

2. Each selected song will be added to the current playlist.
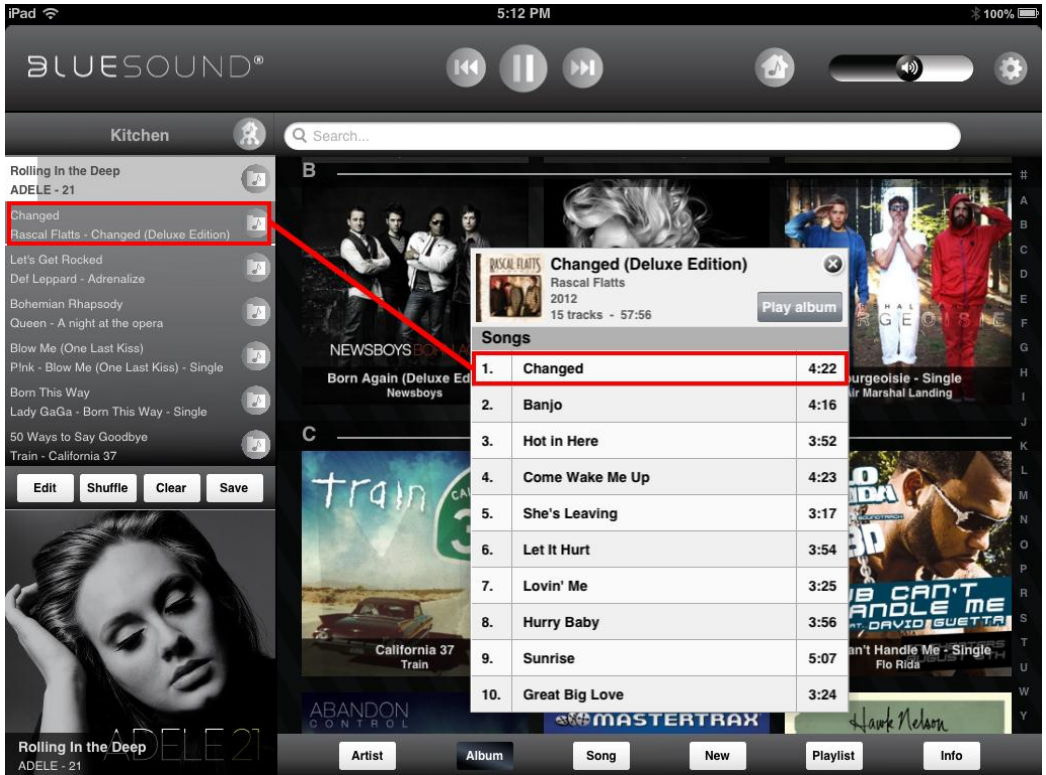
3. After completing your playlist list, press the Save button located directly below the playlist and the on-screen keyboard and playlist naming window will appear. Type your desired Playlist name .

4. When done, press the **Save** button located directly above playlist name to complete the naming process.

This newly named Playlist will be included in the Playlist catalog.  It will be permanently saved and recalled whenever you select the Playlist button.

BLUESOUND®

Kitchen

Q Search...

**Rolling In the Deep**
ADELE - 21

Changed
Rascal Flatts - Changed (Deluxe Edition)

Let's Get Rocked
Def Leppard - Adrenalize

Bohemian Rhapsody
Queen - A night at the opera

Blow Me (One Last Kiss)
P!nk - Blow Me (One Last Kiss) - Single

Born This Way
Lady GaGa - Born This Way - Single

50 Ways to Say Goodbye
Train - California 37

Edit    Shuffle    Clear    Save

**Rolling In the Deep**
ADELE - 21

**Playlists**                                                    Edit

My Favs

Classic Songs

Metal Mix

Mellow Mix

Jazz Mix

Rock Mix

Queen Jazz

oct 4

Eagles Greatest Hits

Artist    Album    Song    New    Playlist    Info

## Add Mode

When turned "ON", the insert line is moved to the end of the current playlist – any song added in this mode will be inserted at the end of the current playlist.
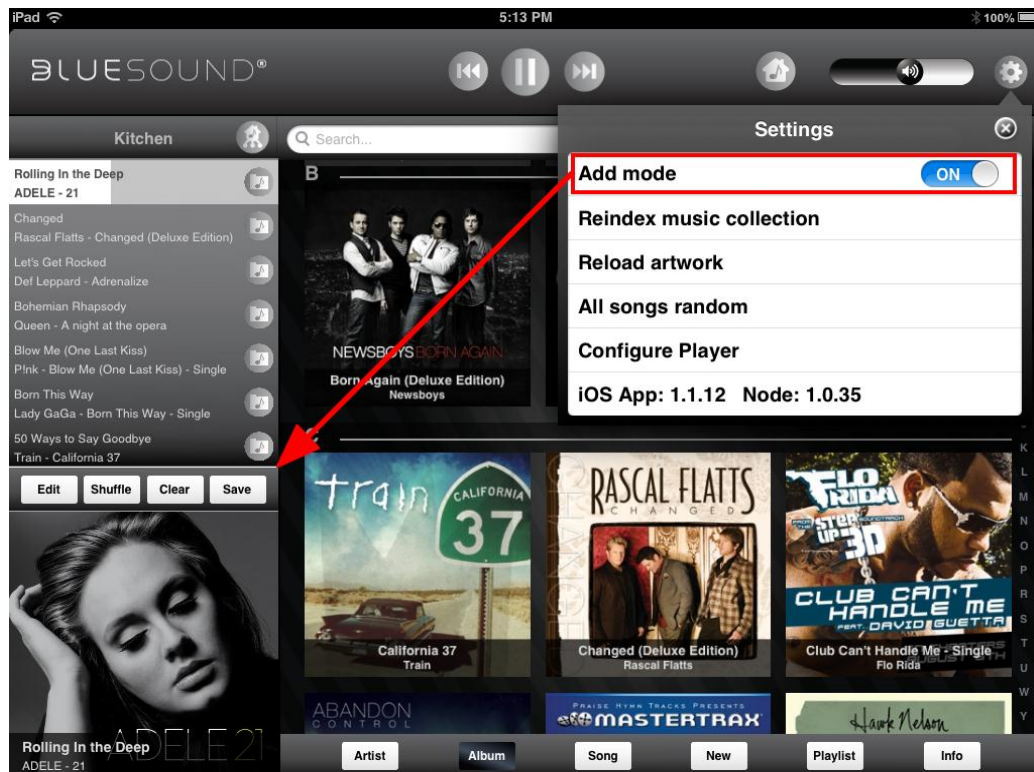
When turned "OFF", the insert line follows the currently playing song - any song added in this mode will be inserted right after the current song or below the insert line.
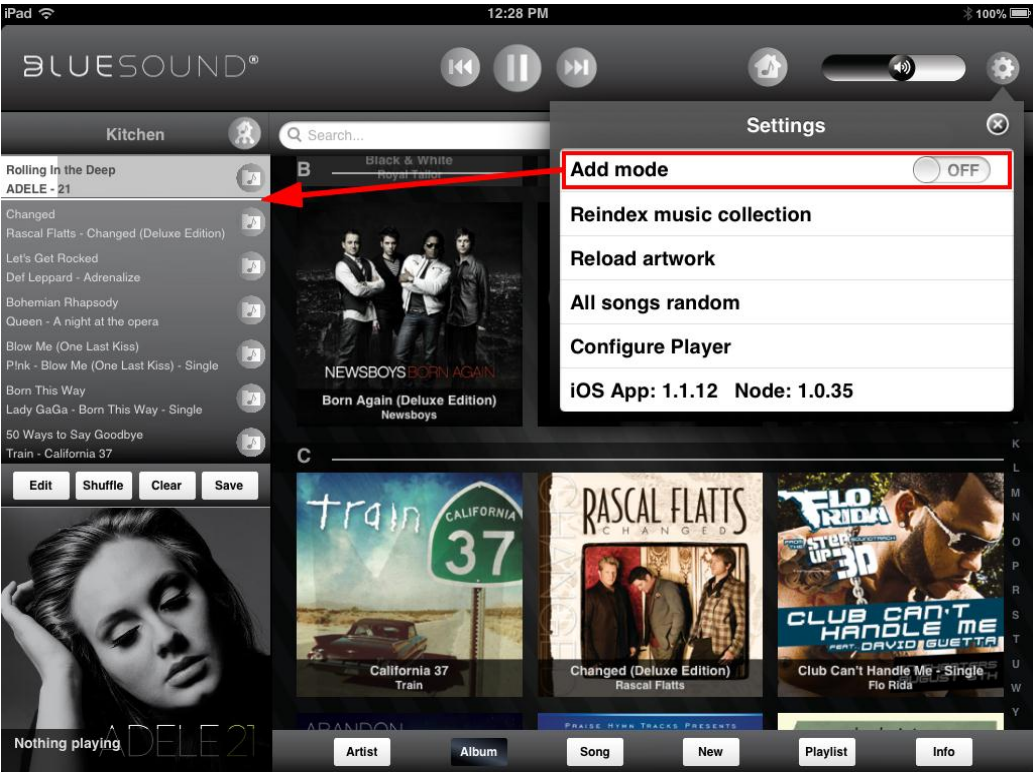
## Managing a Playlist

Your current Playlist can be managed by selecting any of the following options:
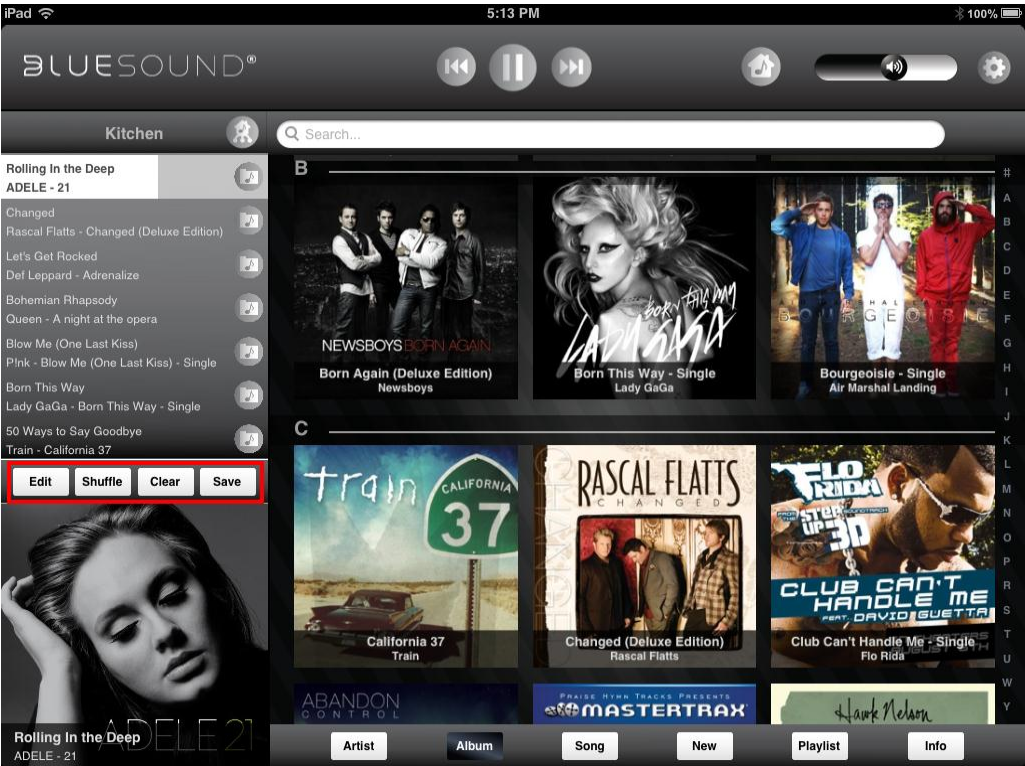
**Edit Button** – Select this option to **Delete** or **Re-order** the songs in your playlist.  When you press the Edit button the following symbols will appear: ⊖ to the left and ☰ to the right of each song.

Tap the ⊖ symbol if you want to delete the selected song - a **Delete** box [Delete] will appears to the right of the selected song.  Select **Delete** to remove the song from the playlist.  Repeat the same steps for the other desired songs to be deleted.

To Re-order the songs in your playlist, press and hold the list icon ☰ - drag and drop the song to the desired location in the current playlist.

Once you have finished managing your playlist select **Done** to exit edit mode.

**Shuffle Button** – Select this option to playback in random order the songs in the current playlist.

**Clear Button** – Select this option to clear all songs from the current playlist window

A "Clear playlist" box will pop-up just to make sure this is what you want to do.  Select Yes to clear the current playlist widow; Select No to retain the list.
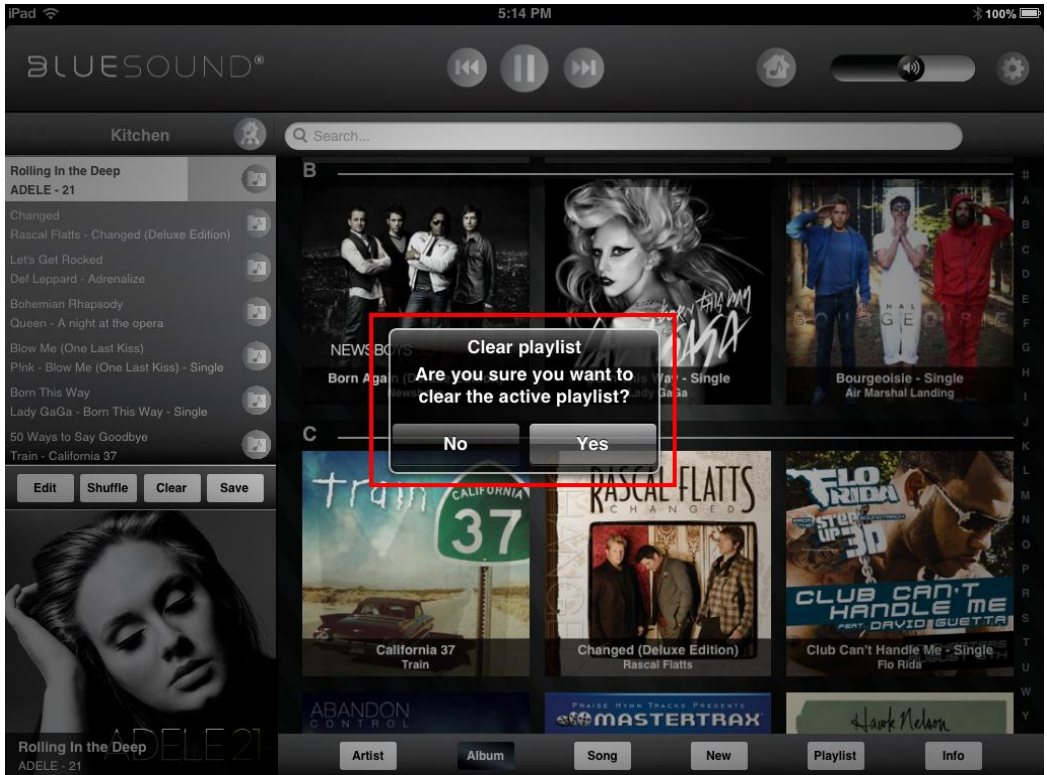
**Save Button** – Select this option to give the current list of songs in the playlist window a playlist name so that you can recall it at any time in the future.
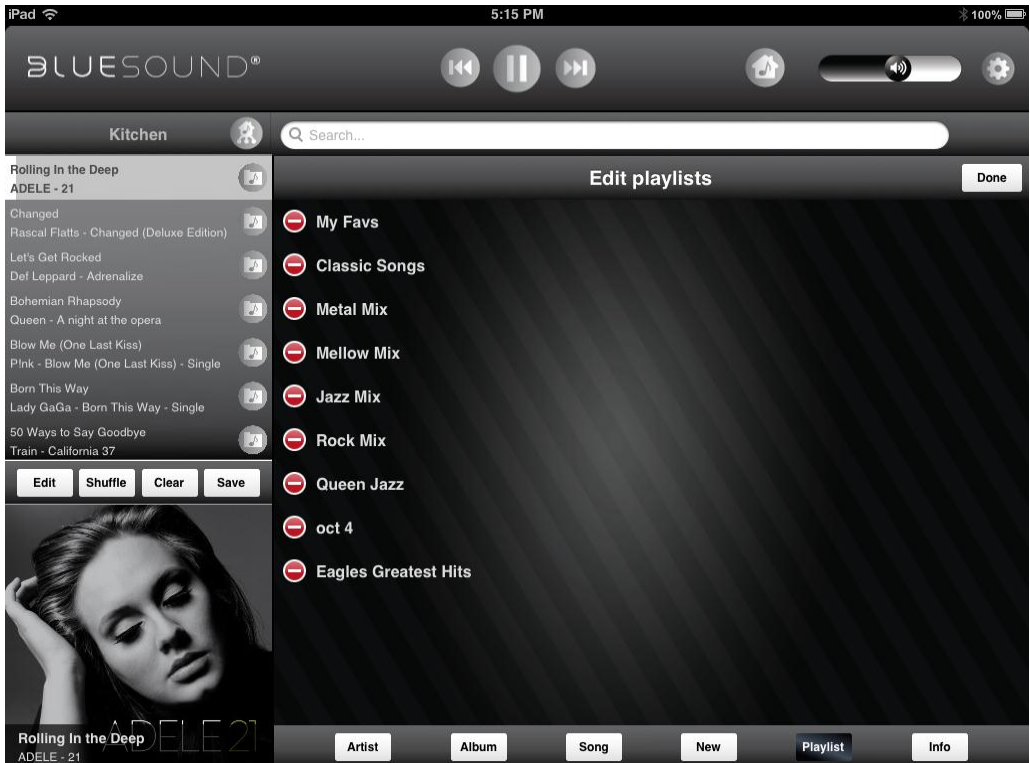
## Deleting a Playlist

To delete a Playlist
1. Select the **Playlist** button and the catalog of saved Playlists will appear.

2.  Select the **Edit** button and this symbol  will appear to the left of each saved Playlist name.

3.  Select the Playlist name to be deleted and a **Delete** button will appear to the right of the selected playlist name.  Select **Delete** to remove the selected playlist from the catalog. Repeat the same steps for other playlist names to be deleted.
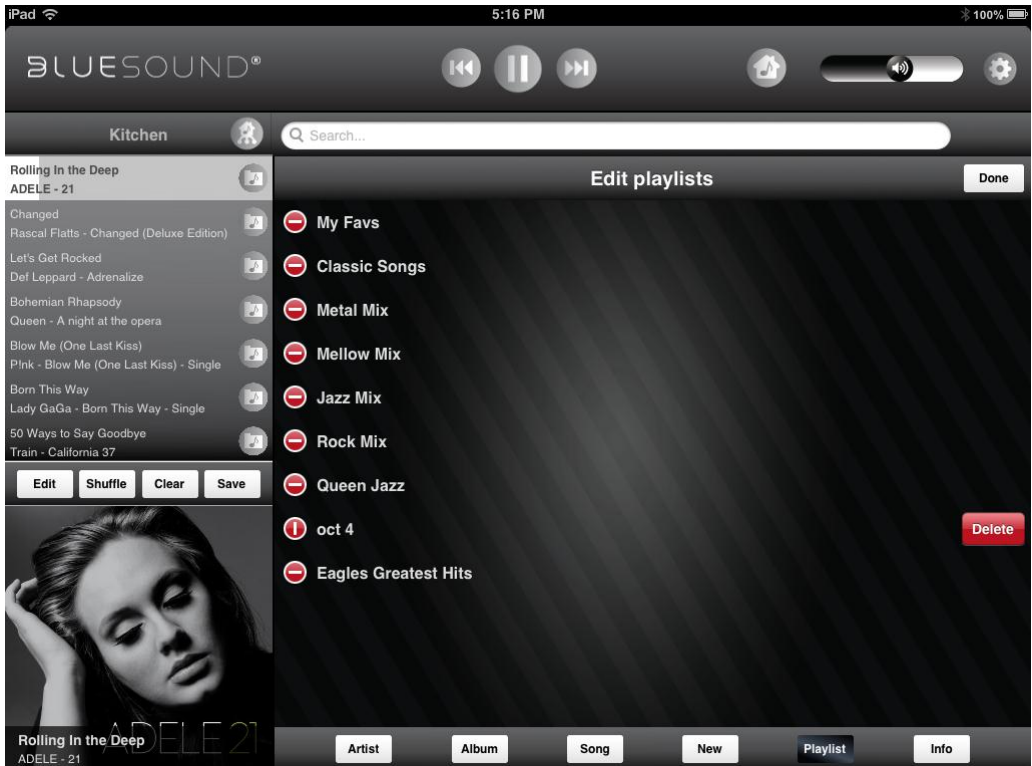


4.  Once you complete all the playlist names you want deleted, tap **Done** to exit Playlist Edit mode.

## Now Playing Window

When a particular song from either your library or music provider is being played back, the Album Art, Song Title, Artist and Album Title is displayed in the Small Now Playing window in the lower left corner of the screen.
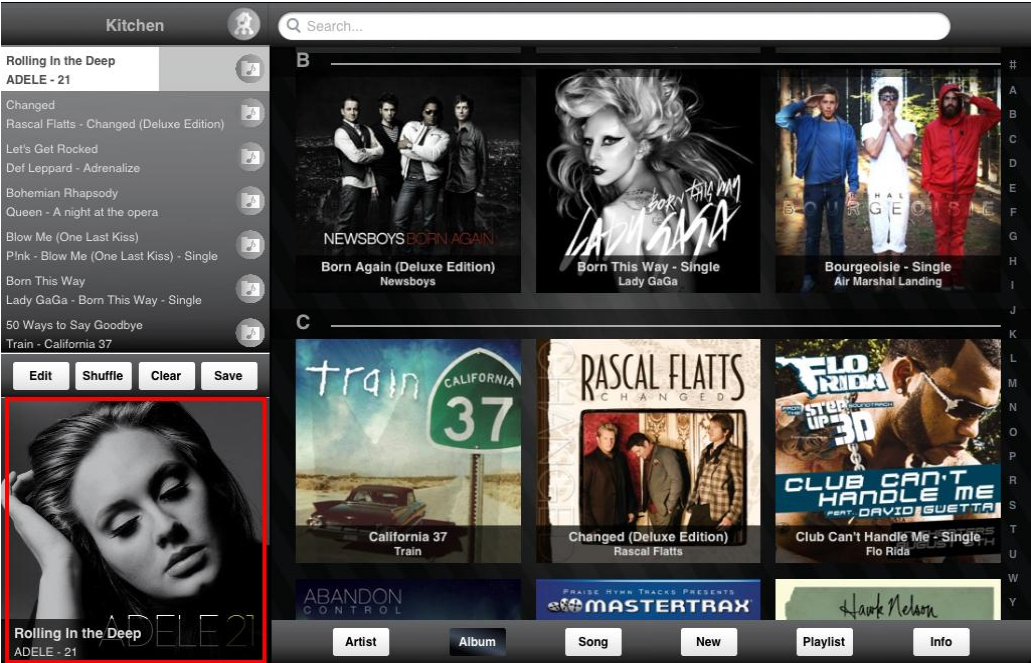


For a Full Screen Now Playing View, Tap the Album Art.

**Full Screen Now Playing View**

After tapping on the Small Now Playing Window the Full Screen Now Playing view will
appear.  In this full screen view, the following features, functions and information are
available:
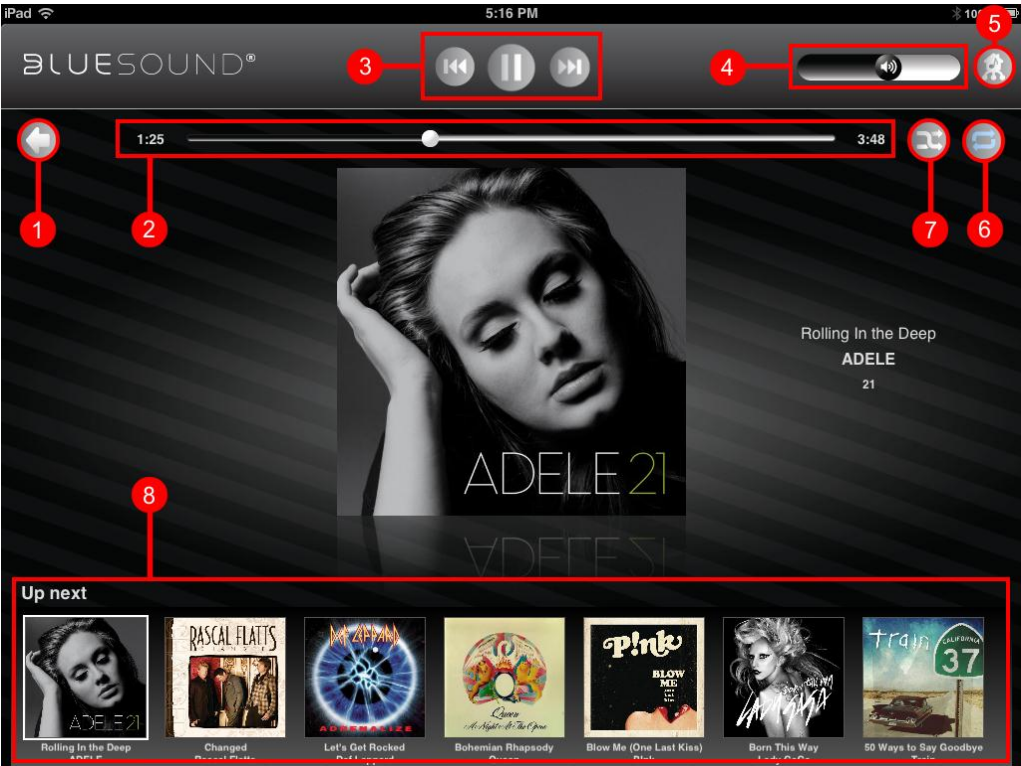
1 **Previous (back) Button** – Select to return to previous display or menu window.
2 **Song Status Indicator** - Slide to the left to scan backwards or Slide to the right to scan forwards in the song. Also shows elapsed time and remaining playback time of current song
3 **PlaybackControls** - Play or pause current song, Skip backward to previous song or Skip forward to next song.
4 **Volume Slider** - Slide right to increase volume level or Slide left to decrease volume level.
5 **Player (Rooms) Button** – Select to display all available nodes on the network
6 **Repeat Button** – Select to repeat current song.
7 **Shuffle Button** - Select to playback in random order the songs in the current playlist.
8 **Up Next List** – See what song is coming up next in the current playlist.  Slide your finger back and forth to scroll through the list.  Select and start playing a song by tapping the album art.  The currently playing song is highlighted.

## Managing Rooms

Your Bluesound Control App can be used to control the music in every room that has a Bluesound player. You can play the same music in every room or stream separate music to each room – your choices are endless.

**Streaming Music to each Room**

If you have multiple Bluesound players on the same network, you can control them separately.  Each Bluesound player on your network is an independent player working in conjunction with your Bluesound system.

You will be able to access your playlists, music sources, Internet Radio and Music Subscription Services from every player since they are replicated to each player when set up on the system.  Playback is controlled individually or in groups.  To control an individual player select the Rooms Button  and a drop down list of available players (rooms) will appear.  Select the player (room) you wish to control and all of the App controls will switch to that player.

**Grouping Rooms**

To group a multiple number of Bluesound players (rooms), follow these steps:

1    Select the Rooms Button   and a drop down list of available players (rooms) will appear.  Select the player (room) on your network you wish to control.
2    The selected player will be highlighted and will show a "Master" Button.
3    The other available players will display an "Add" Button
4    Add: Select this option to add the player to the same group as the Master.

**Ungrouping Rooms**

When you add a player to a group, the "Add" Button will change to "Remove" and the player will be highlighted along with the Master indicating that it is in the same group. Select Remove to remove the player from the group

## Internet Radio



TuneIn is a free service that lets you listen to anything in the world from wherever you are. Whether you want to hear music, sports, news or current events, TuneIn offers over 70,000 stations, all yours, for you to choose from. From finding local stations to

discovering new stations from around the world, TuneIn brings you to where you want to be.

TuneIn allows listeners to quickly and easily find their favorite radio stations and personalities plus discover new ones.

Radio stations are classified according to the following preferences

- **Local Radio** – Tune in to radio stations in your local area.
- **Music** – Select radio stations by categories or genres like Adult Contemporary, Classical, Country, Reggae, etc.
- **Talk** - Offer a variety of topics like Business, Comedy, News, Religious, etc.
- **Sports** – List popular sports news or content providers that you can listen in.
- **By location** - Listen to radio stations by countries.  Radio stations are grouped by continents and then by countries.
- **By language** - Radio stations are grouped according to the language they are broadcast like Arabic, Chinese, Spanish, Tagalog, etc.
- **Podcasts** – Listen to Talk, Music, Sports or other available audio podcasts.
- **My Favorites** - Allows you to create, save and easily access your favorite radio stations.

**Setting up your credentials**

If you have an account with TuneIn you can enter your credentials to access your favorites and preferences.  To set up your credentials, Tap [icon] and select **Configure player**.  When the Configure player menu window appears, select **Configure music services**, then select **TuneIn Join/Drop presets** and enter your User Name & password for TuneIn

**Search for Stations**

Search stations, shows, song...

You can directly search a radio station, show, song or any type of broadcast by directly entering its name at the "Search stations, shows, son..." box.  Tap the "Search stations, shows, song..." box and the on-screen keyboard appears.

Enter the name (even just a part of it) and several suggested stations, shows, songs or broadcasts pop up as you type

If available, select and tap from the suggested list the station, show, song or broadcast you were looking for.  Otherwise, try searching again.

**Add a Preset**

Go to desired station page and then tap the TuneIn icon in the lower right hand corner of the Small Now Playing Screen and a Pop Up window will appear.



Select Add preset button. The selected radio station will be added in your My Favorites list.

**Delete a Preset**

Go to desired station page and then tap the TuneIn icon in the lower right hand corner of the Small Now Playing Screen and a Pop Up window will appear.



Select Delete preset to remove the selected station from your My Favorites list

**TuneIn Now Playing Window**

When a particular radio station is being broadcast, the Radio Station Logo and call letters are displayed in the Small Now Playing window in the lower left corner of the screen.
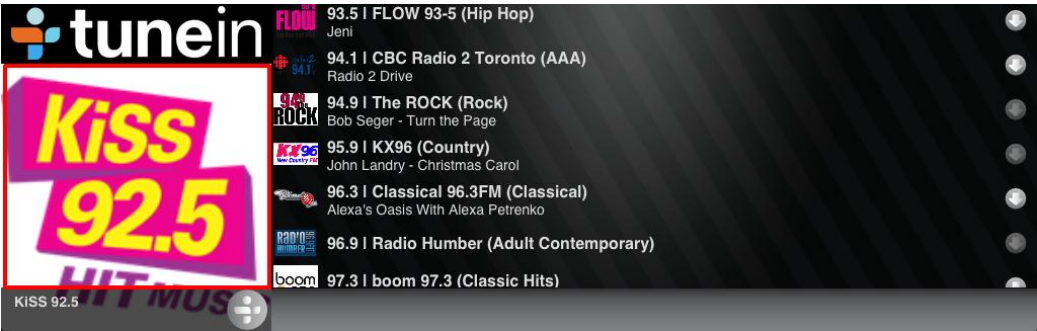


For a Full Screen Now Playing View, Tap the Window.

**Full Screen Now Playing View**

After tapping on the Small Now Playing Window the Full Screen Now Playing view will appear.  In this full screen view, the following features, functions and information are available:
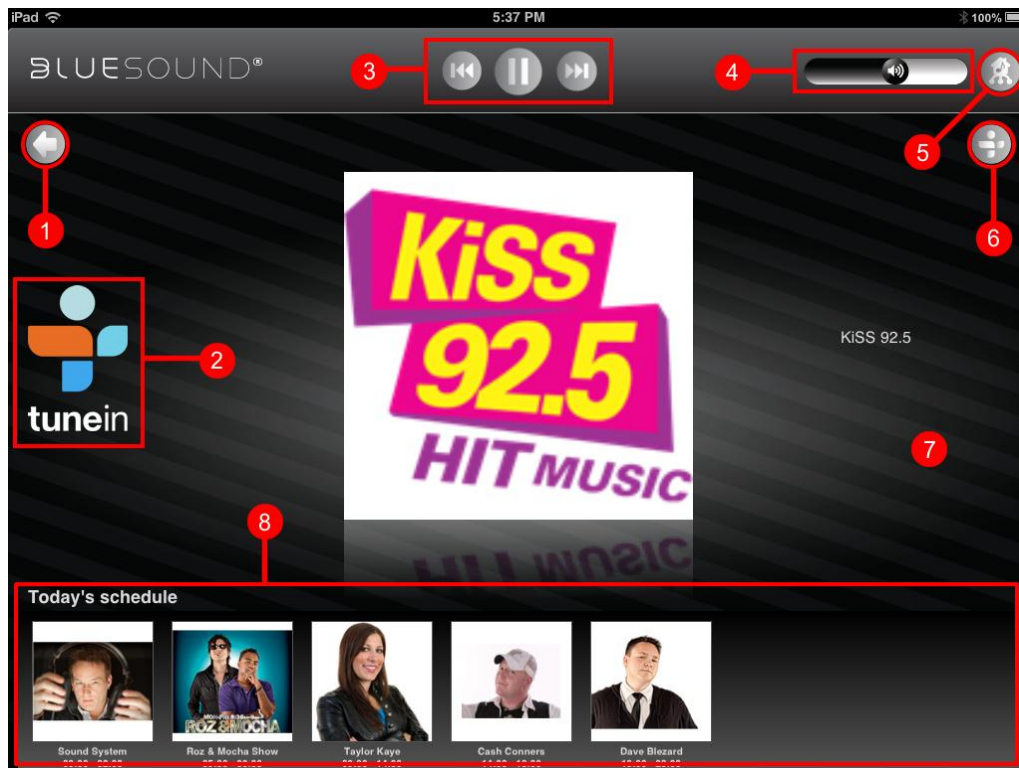
1. **Previous (back) Button** – Select to return to previous display or menu window.
2. **Source Indicator** – Shows the source of the content being played, i.e. TuneIn
3. **Playback Controls** - Play or pause current song, Skip backward to previous song or kip forward to next song.
4. **Volume Slider** - Slide right to increase volume level or Slide left to decrease volume level
5. **Node (Rooms) Button** – Select to display all available nodes on the network
6. **Report a problem Button** - menu options appear (see below)
7. **Add Preset Button** - add current broadcast to Presets
8. **Today's Schedule** - Displays related information as supplied by the broadcast station

## Streaming Services

### Setting up your credentials

If you have an account with a Streaming service supported by Bluesound you can enter your credentials to access the music service directly from your Bluesound App.  To set up your credentials, Tap ⚙ and select **Configure player**.  When the Configure player menu window appears, select **Configure music services** and select the appropriate service and enter your credentials when prompted.

To see the current services supported by Bluesound, select the **Streaming Services** icon on the home screen

# BLUESOUND®

## Kitchen

## Streaming Services

W WiMP

Edit  Shuffle  Clear  Save
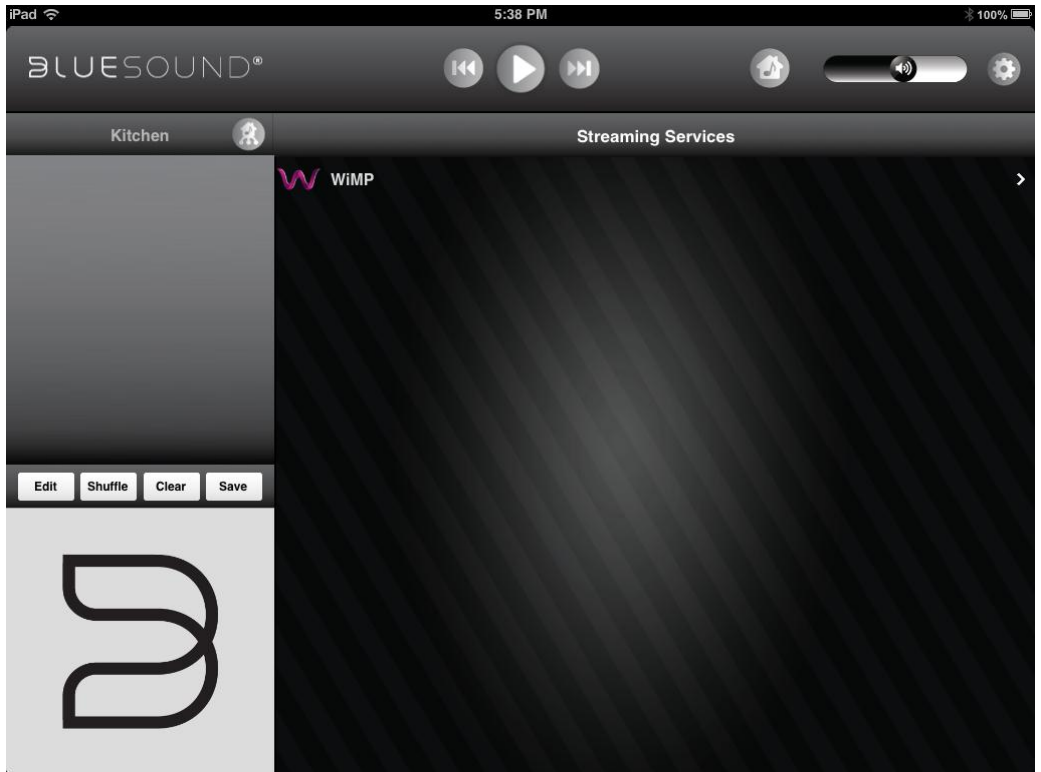
**WiMP**

WiMP (Wireless Music Player) is a streaming music service that gives you full access to play music from a library of several Million tracks.  WiMP currently services Sweden, Denmark ,Norway & Germany.  WiMP on Bluesound lets you play all your favorite music wirelessly in every room of your house. You can search for your favorite artists, albums or tracks to play. Browse and play recommended tracks, albums or playlists for any occasion.

**Logging in to your WiMP account**

Gain access to millions of songs by entering your WiMP log-in credentials.  Tap ⚙ (Settings) and select **Configure player**.  When the Configure player menu window appears, select **Configure music services**
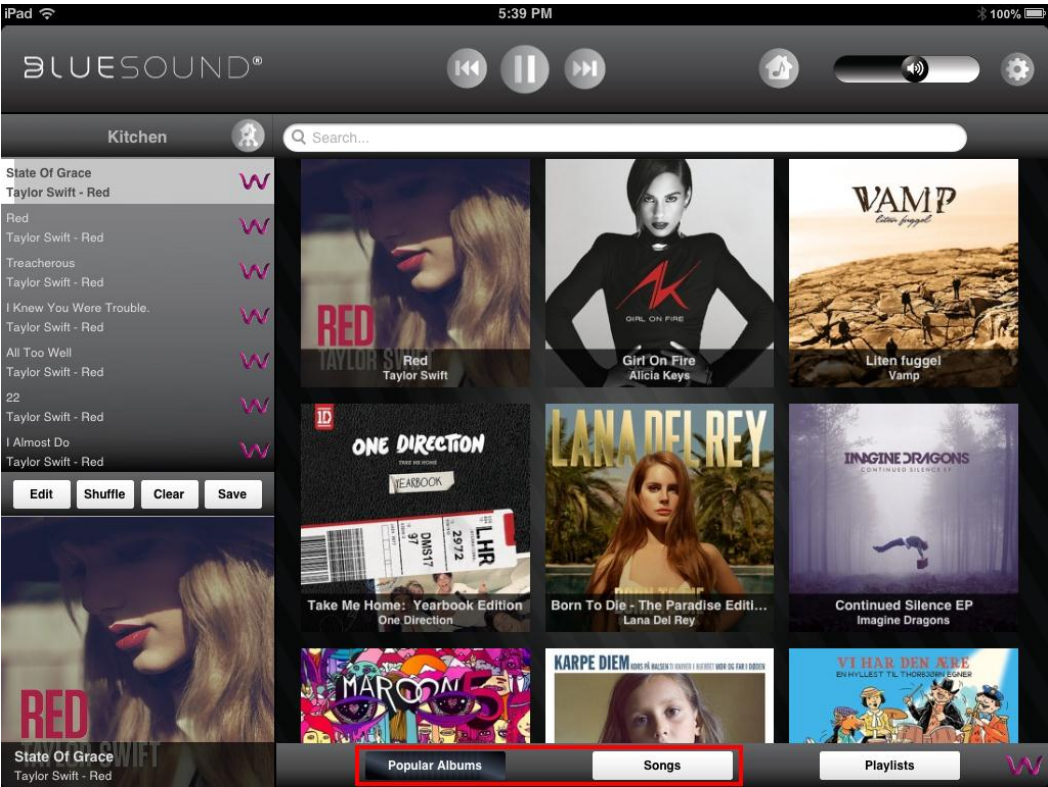
**Managing your WiMP Playlists**

When the WiMP source is selected, features like Edit, Shuffle, Clear, Save and sections like Creating Playlists and Deleting Playlists are managed in the same way as when the Library source is selected.
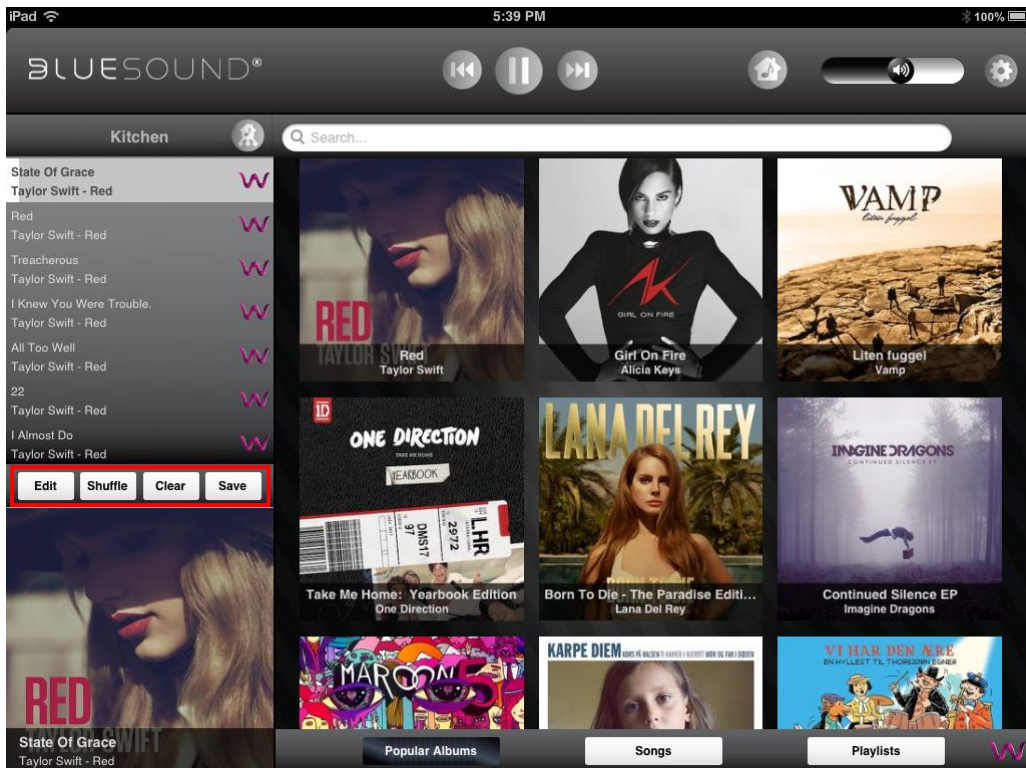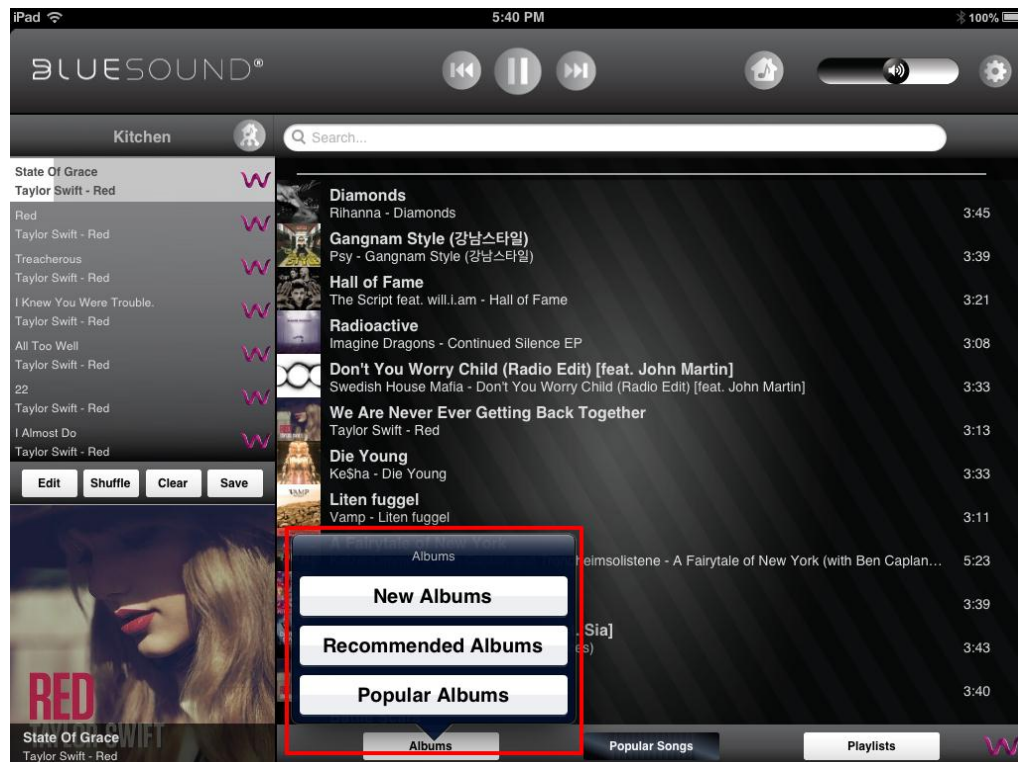
Please see the instructions for these options in the  Library section
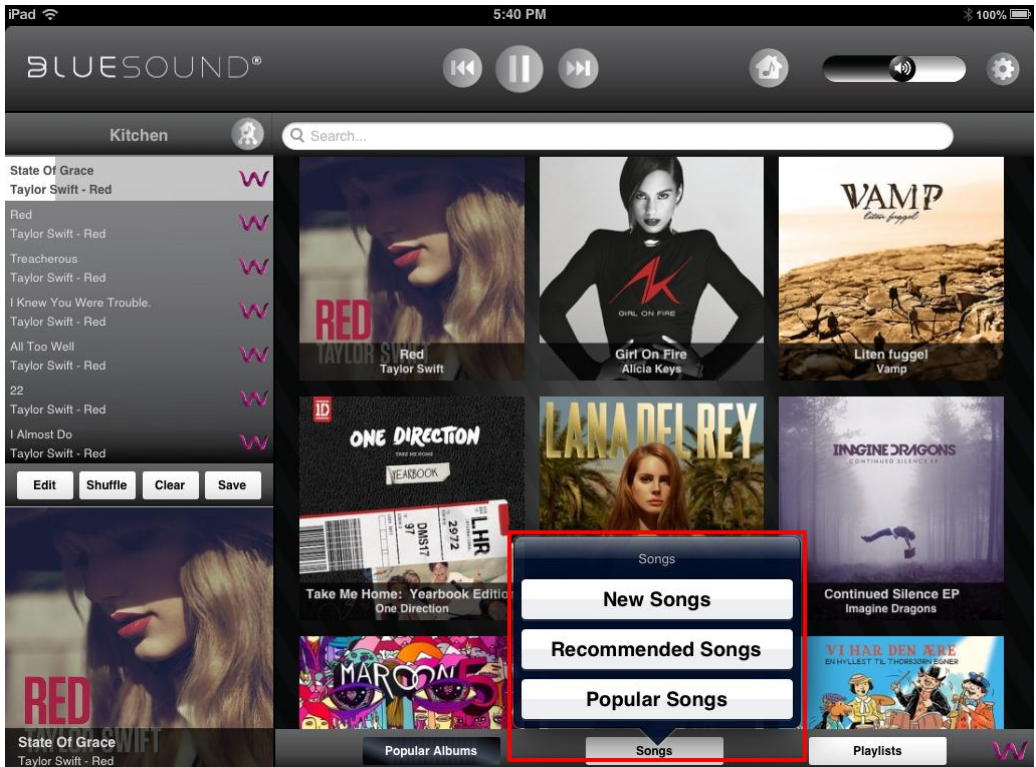
## Other WiMP features

(Applies to Songs and Albums)

**Albums** – When selected, you can select New Albums, Recommended Albums or Popular Albums from WiMP
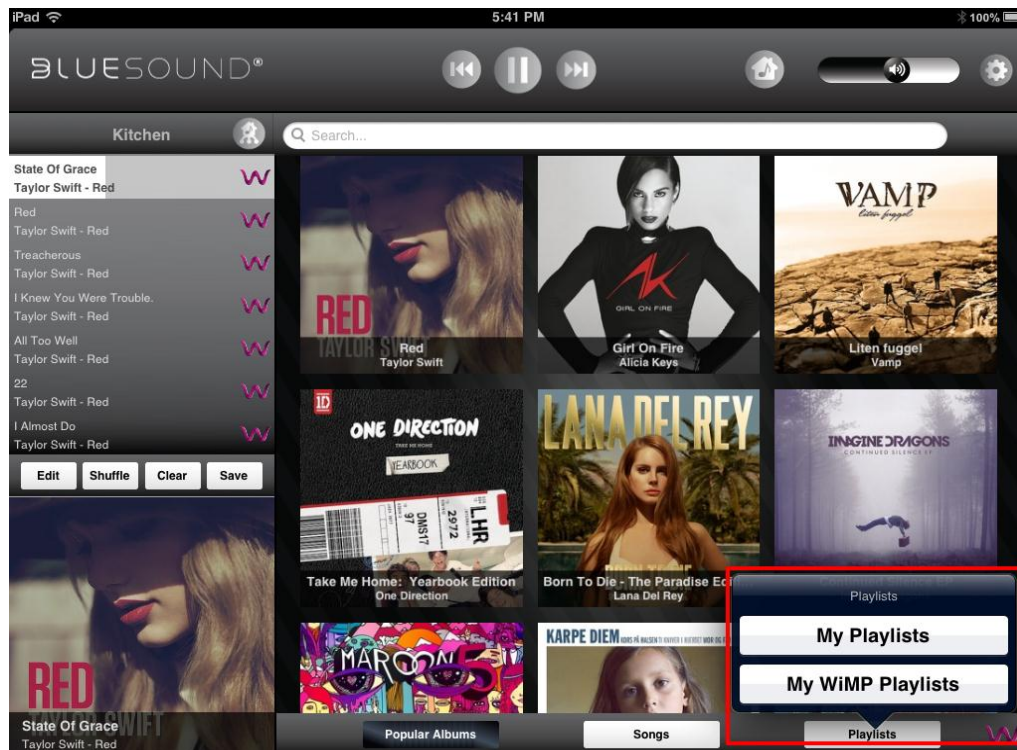
**Songs** –  When selected, you can select New Songs, Recommended Songs or Popular Songs from WiMP
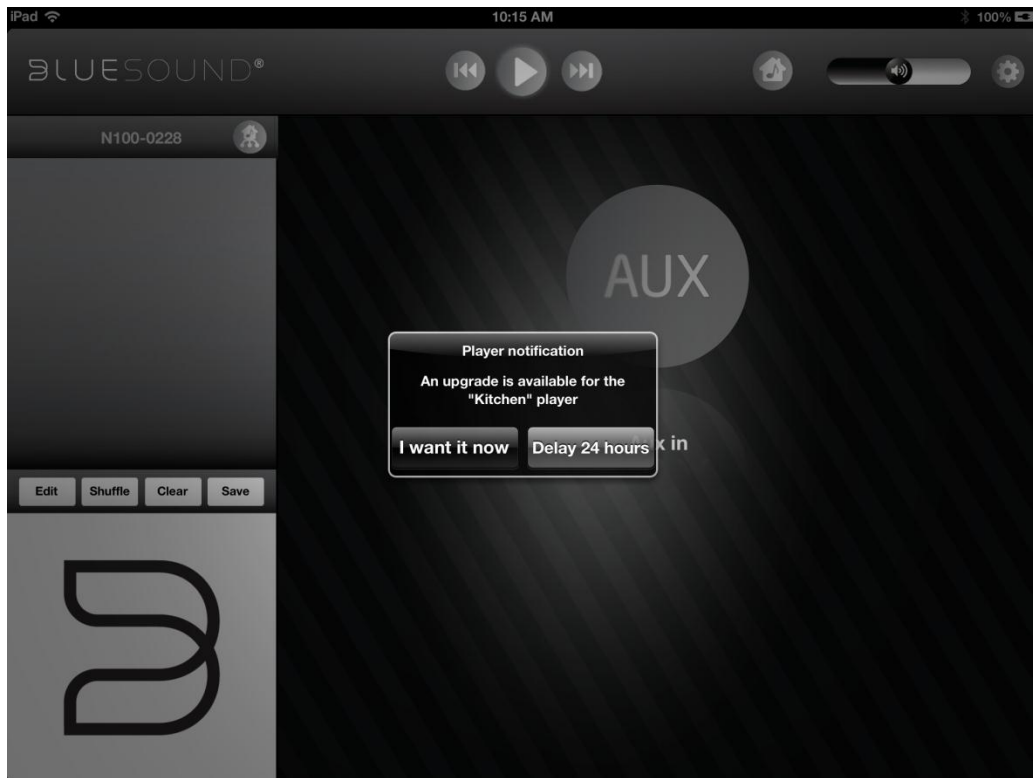
**WiMP Playlists**

When selected you can choose from the following:

- **My playlists** – Include selections from WiMP and Library.
- **My WiMP playlist** – Consists of selections only from WiMP.

## Online Upgrades

If a new software update is released, your POWERNODE N150 will be automatically notified and a "Player notification" window will appear in your Bluesound Control App.

You will be prompted to either select "**I Want It Now**" or "**Delay 24 Hours**".

- **I Want It Now** – Select this option to initiate installation of the latest software. Follow the screen prompts to complete the upgrade process.
- **Delay 24 Hours** – Select this option to postpone the software upgrade.  The Bluesound system will notify you in 24 hours to upgrade to the new software version.  When you select this option, a notification will be available in the Settings menu to manually upgrade to the new software

You will need to repeat the upgrade process for every Bluesound player on your network as you are prompted.

## CONTROL PANEL

To access the Control panel for your Bluesound player, tap ⚙ and select **Configure player**.
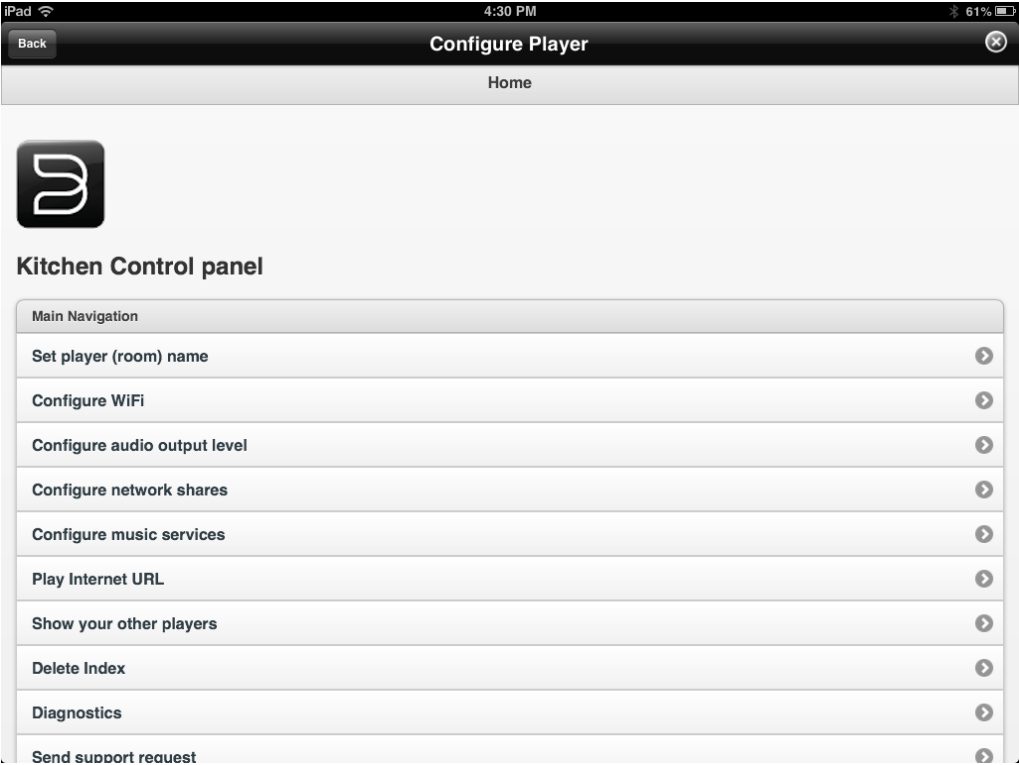
**Renaming Rooms**

*Set Player (room) name* – This option allows you to change the current Player name using the on-screen keyboard.

**Configuring WiFi**

*Configure WiFi* –  Refer to "CONNECT TO WiFi" section of QUICK SETUP GUIDE above

**Configuring Network Shares**

*Configure network shares* – Select this option to connect your shared music folders from your PC, MAC or NAS (Network Attached Storage) device to your Bluesound system.

Find, add or enter share name manually.  Current music shares can also be removed by clearing (unchecking) the check box of the desired network share name.

When entering a share name manually, you must specify the location of your shared music using the UNC (Universal Naming Convention) path where your shared folder is located.  You will be required to know the computer name and password (if applicable).

**Configuring Music Services**

*Configure music services* – Select this option to Log-in to your music service provider account (like WiMP) by entering your credentials (ie:User name, Password and Country). Select Update to register and store your corresponding account details.

**Playing Internet URL's**

*Play Internet URL* - Select this option if you want to play specific Internet URL's.  Simply type or copy the URL into the section provided and select Play.  The URL will automatically start playing on the current player.
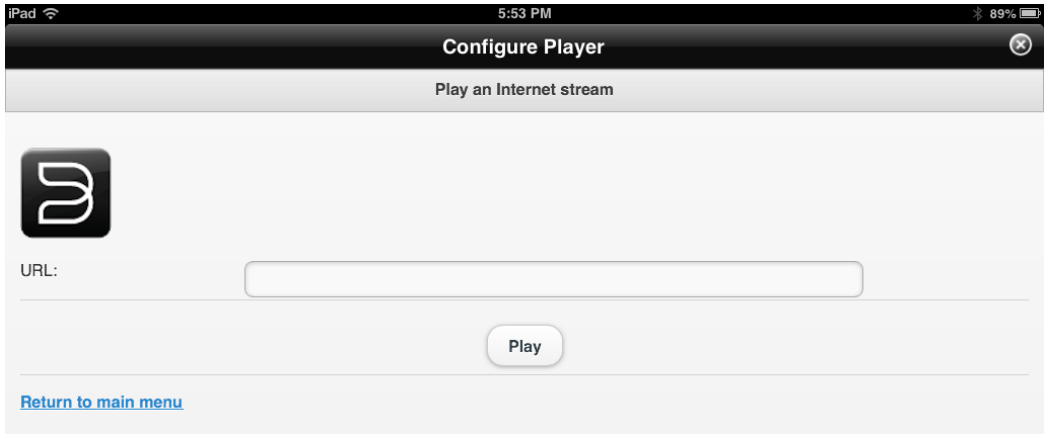


**Showing your other Players**

*Show your other Players* – Select this option to see what other Bluesound players are connected to your network.  When you select one of your other Bluesound players you will be redirected to its corresponding Control Panel.

**Deleting your Index**

*Delete Index* – Select this option to clear the current index.  Your system will automatically re-index.

This is sometimes necessary when instability occurs while trying to access the songs in your current index.

**Diagnostics**

*Diagnostics* –  Select this option to see a Log report of your POWERNODE N150 and a record of its current connectivity and indexing status.  A copy of this log is automatically sent to Bluesound Technical Support when you send a support request.

**Sending Support Request**

*Send support request* –  Select this option to send a service request directly to the Bluesound Technical Support.  You will be asked to send your name, phone number, email address and the subject of your request.  A Bluesound customer service agent will contact you either by email or phone.

**Forcing Hotspot Mode**

*Force Hotspot mode* – Tap to disconnect your POWERNODE N150 from your wireless network connection and reset it to the factory Hotspot settings.  This is normally initiated if you are changing your network connection settings or connecting your POWERNODE N150 to a new network.

**Rebooting Player**

*Reboot* – Select this option to initiate a reboot of your POWERNODE N150 to restore normal operations when experiencing any malfunctions.

# SPECIFICATIONS

## AUDIO

| | |
|---|---|
| Supported File Formats | MP3, AAC, WMA, OGG, WMA-L, FLAC, ALAC, WAV, AIFF |
| Native Sampling Rates | 32, 44.1, 48, 88.2, 96, 176.4, 192 kHz |
| Bit Depths | 16, 24 |
| Album Art | JPG |
| Supported Operating Systems | Plays music from network shares on the following desktop operating systems: |
| | Microsoft Windows XP, 2000, Vista, 7, |
| | Apple Macintosh |
| Amplification | Direct Digital Amplifier by NAD Electronics |
| | 90 watts total into 4 ohms |

## CONNECTIVITY

| | |
|---|---|
| Network | Ethernet RJ45, 802.11n WiFi |
| USB Host | Type-A port for connection to USB memory sticks and supported peripherals |
| USB Device | Type-B mini port for product servicing |
| Audio | Stereo loudspeaker jacks, RCA subwoofer output jack |
| Power | Universal tri-pin AC cord input (100 - 240VAC) |

## USER-INTERFACE

| | |
|---|---|
| Android | Free App Available Online at Google Play website |
| Apple | Free App Available Online at Apple App Store |
| Push buttons | Top-panel mute button with integrated tri-color status LED Volume control buttons |

## GENERAL

| | |
|---|---|
| Free Internet Radio | TuneIn Radio |
| Supported Cloud Services | WiMP |
| Unit Weight | 1.9 kg |
| Gross Dimensions (W x D x H) | 248 x  203 x 176 mm |
| Power Consumption | 12 W |
| Storage Environmental | -10 C to 50 C, 20% to 80% relative humidity |
| Operating Environmental | 0 C to 40 C |

# BLUESOUND®

## bluesound.com